



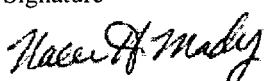
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401 M Street, S.W.  
WASHINGTON, D.C. 20460

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**DATA MATRIX**

Date: April 22, 2003	EPA Reg No./ File Symbol 40810-EG	Page 1 of 7
Applicant's/Registrant's Name and Address: Ciba Specialty Chemicals Corporation 540 White Plains Road PO Box 2005 Tarrytown, NY 10591-9005	Product: Irgaguard® B102 N Manufacturing Use	
Ingredient: silver (PC 72501) and zinc (PC 129015)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>PRODUCT SPECIFIC DATA</b>					
OPPTS 830.1550	Product Identity and Composition	45724701	Ciba Specialty Chemicals	Own	
OPPTS 830.1600	Description of Starting Materials	45724701	Ciba Specialty Chemicals	Own	
OPPTS 830.1620	Description of the Manufacturing Process	45724701	Ciba Specialty Chemicals	Own	
OPPTS 830.1670	Discussion of the Formation of Impurities	45724701	Ciba Specialty Chemicals	Own	
OPPTS 830.1700	Preliminary Analysis	45724701	Ciba Specialty Chemicals	Own	
OPPTS 830.1750	Certified Limits	45724701	Ciba Specialty Chemicals	Own	
OPPTS 830.1800	Enforcement analytical method	45724701	Ciba Specialty Chemicals	Own	
OPPTS 830.6303	Physical state	45724702	Ciba Specialty Chemicals	Own	
OPPTS 830.7000	pH	45724702	Ciba Specialty Chemicals	Own	
OPPTS 830.6314	Oxidation/reduction: chemical incompatibility	Waiver granted	Ciba Specialty Chemicals	Own	
OPPTS 830.6320	Corrosion characteristics	Waiver granted	Ciba Specialty Chemicals	Own	
OPPTS 830.6302	Color	45724702	Ciba Specialty Chemicals	Own	
OPPTS 830.6304	Odor	45724702	Ciba Specialty Chemicals	Own	
OPPTS 830.6315	Flammability	Waiver granted	Ciba Specialty Chemicals	Own	
OPPTS 830.6316	Explosibility	Waiver granted	Ciba Specialty Chemicals	Own	
OPPTS 830.6319	Miscibility	Waiver granted	Ciba Specialty Chemicals	Own	
OPPTS 830.7100	Viscosity	Waiver granted	Ciba Specialty Chemicals	Own	
OPPTS 830.7300	Density	45724702	Ciba Specialty Chemicals	Own	
OPPTS 870.1100	Acute oral toxicity – rat	45618604	Ciba Specialty Chemicals	Own	
OPPTS 870.1200	Acute dermal toxicity – rat	45618605	Ciba Specialty Chemicals	Own	
OPPTS 870.1300	Acute inhalation toxicity	45618606	Ciba Specialty Chemicals	Own	
OPPTS 870.2400	Primary eye irritation – rabbit	45618607	Ciba Specialty Chemicals	Own	

Signature 	Name and Title Naeem Mady Head, Regulatory Affairs	Date 4/22/03
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Applicant's/Registrant's Name and Address: Ciba Specialty Chemicals Corporation 540 White Plains Road PO Box 2005 Tarrytown, NY 10591-9005	Product: Irgaguard® B102 N Manufacturing Use	
Ingredient: silver (PC 72501) and zinc (PC 129015)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS 870.2500	Primary dermal irritation	45618608	Ciba Specialty Chemicals	Own	
OPPTS 870.2600	Dermal sensitization	45618609	Ciba Specialty Chemicals	Own	
<b>GENERIC DATA - SILVER</b>					
830.6302	Color	NA	Per page 5 of Silver RED, TGAI requirements are satisfied by MP data		Agency phone call 4/22/03
830.6303	Physical state	NA	Per page 5 of Silver RED, TGAI requirements are satisfied by MP data		Agency phone call 4/22/03
830.6304	Odor	NA	Per page 5 of Silver RED, TGAI requirements are satisfied by MP data		Agency phone call 4/22/03
830.6313	Stability	NA	Per page 5 of Silver RED, TGAI requirements are satisfied by MP data		Agency phone call 4/22/03
830.7000	PH	NA	Per page 5 of Silver RED, TGAI requirements are satisfied by MP data		Agency phone call 4/22/03
830.7200	Melting point	NA	Per page 5 of Silver RED, TGAI requirements are satisfied by MP data		Agency phone call 4/22/03
830.7220	Boiling point	NA	Per page 5 of Silver RED, TGAI requirements are satisfied by MP data		Agency phone call 4/22/03
830.7300	Density/relative density/bulk density	NA	Per page 5 of Silver RED, TGAI requirements are satisfied by MP data		Agency phone call 4/22/03
830.7370	Dissociation constant	NA	Per page 5 of Silver RED, TGAI requirements are satisfied by MP data		Agency phone call 4/22/03
830.7840-7860	Solubility	NA	Per page 5 of Silver RED, TGAI requirements are satisfied by MP data		Agency phone call 4/22/03

Signature 	Name and Title Naeem Mady Head, Regulatory Affairs	Date 4/22/03
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Ingredient: silver (PC 72501) and zinc (PC 129015)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7950	Vapor pressure	NA	Per page 5 of Silver RED, TGAI requirements are satisfied by MP data		Agency phone call 4/22/03
870.1100	Acute oral toxicity – rat	42032702, 42664501	Kanebo	Per	Footnote 10
870.1200	Acute dermal toxicity – rat	42032702, 42664501	Kanebo	Per	Footnote 10
870.1300	Acute inhalation toxicity	42032702, 42664501	Kanebo	Per	Footnote 10
870.2400	Primary eye irritation – rabbit	42032702, 42664501	Kanebo	Per	Footnote 10
870.2500	Primary dermal irritation	42032702, 42664501	Kanebo	Per	Footnote 10
870.2600	Dermal sensitization	42032702, 42664501	Kanebo	Per	Footnote 10
870.3250	90 day oral toxicity – rodent	RED Ref		Pub	Footnote 1
870.3700	Developmental toxicity – rodent	RED Ref		Pub	Footnote 2
870.5265	In vitro mutagenicity	RED Ref		Pub	Footnote 3
870.5300	Mutagenicity – mammalian cells in culture	RED Ref		Pub	Footnote 3
870.5380	In vivo cytogenetics	RED Ref		Pub	Footnote 3
850.1010	Daphnia acute toxicity	42650501	Mason Chemical	Pay	
850.1075	Acute toxicity – fish	42650501	Mason Chemical	pay	
850.2100	Avian Acute toxicity	43312901	Mason Chemical	Pay	
835.2120	Hydrolysis	RED Ref		Pub	Footnote 4

Signature <i>Naeem Mady</i>	Name and Title Naeem Mady Head, Regulatory Affairs	Date 4/22/03
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Applicant's/Registrant's Name and Address: Ciba Specialty Chemicals Corporation 540 White Plains Road PO Box 2005 Tarrytown, NY 10591-9005	Product: Irgaguard® B102 N Manufacturing Use	
Ingredient: silver (PC 72501) and zinc (PC 129015)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>GENERIC DATA – ZINC</b> <i>Per EPA letter of 4/17/03, reference zinc oxide</i>					
830.6302	Color	41777903	Monsanto	Pay	Footnote 11
830.6303	Physical state	41777903	Monsanto	Pay	Footnote 11
830.6304	Odor	41777903	Monsanto	Pay	Footnote 11
830.6313	Stability	41777903	Monsanto	Pay	Footnote 11
830.7000	pH	41777903	Monsanto	Pay	Footnote 11
830.7200	Melting point	41777903	Monsanto	Pay	Footnote 11
830.7220	Boiling point	41777903	Monsanto	Pay	Footnote 11
830.7300	Density/relative density/bulk density	41777903	Monsanto	Pay	Footnote 11
830.7370	Dissociation constant	41777903	Monsanto	Pay	Footnote 11
830.7840-7860	Solubility	41777903	Monsanto	Pay	Footnote 11
830.7950	Vapor pressure	41777903	Monsanto	Pay	Footnote 11
870.1100	Acute oral toxicity – rat	147624	Monsanto	Old	Footnote 11
870.1200	Acute dermal toxicity – rat	147625	Monsanto	Old	Footnote 11
870.1300	Acute inhalation toxicity	43258601	Monsanto	Pay	Footnote 11
870.2400	Primary eye irritation – rabbit	147627	Monsanto	Old	Footnote 11
870.2500	Primary dermal irritation	147626	Monsanto	Old	Footnote 11
870.2600	Dermal sensitization	43258602	Monsanto	pay	Footnote 11
870.3250	90 day dermal toxicity – rodent	RED Ref		Pub	Footnote 5, 9
870.3700	Developmental toxicity – rodent	RED Ref		Pub	Footnote 7, 9

Signature <i>Naeem Mady</i>	Name and Title Naeem Mady Head, Regulatory Affairs	Date 4/22/03
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**DATA MATRIX**

Date: April 22, 2003	EPA Reg No./ File Symbol 40810-EG	Page 5 of 7
Applicant's/Registrant's Name and Address: Ciba Specialty Chemicals Corporation 540 White Plains Road PO Box 2005 Tarrytown, NY 10591-9005	Product: Irgaguard® B102 N Manufacturing Use	
Ingredient: silver (PC 72501) and zinc (PC 129015)		

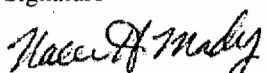
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.5265	In vitro mutagenicity	RED Ref		Pub	Footnote 7, 9
870.5300	Mutagenicity – mammalian cells in culture	RED Ref		Pub	Footnote 7, 9
870.5380	In vivo cytogenetics	RED Ref		pub	Footnote 7, 9
850.1010	Daphnia acute toxicity	155227	Monsanto	old	
850.1075	Acute toxicity – fish	155224 155228	Monsanto	old	
850.2100	Avian Acute toxicity	155226	Monsanto	old	
835.2120	Hydrolysis	RED Ref		pub	Footnote 8, 9

Footnote 1: Published literature references cited in Silver RED (US EPA 1993):

- Wagner, P.A., Hoekstro, W. and Ganther, H.E. 1975. Alleviation of silver toxicity by selenite in the rat in relation to tissue glutathione peroxidase. Proc. Soc. Exp. Biol. Med. 148:1106-1420
- Van Vleet, J.F. 1976. Induction of lesions of Selenium-vitamin E deficiency in pigs fed silver. Am. J. Vet. Res. 37:1425-1420
- Day, W.A., Hunt, J.S. and McGiven, A.R. 1976. Silver deposition in mouse glomeruli. Pathology 8:201-204
- Walker, F. 1971. Experimental Argyria: A model for basement membrane studies. Brit. J. Exp. Path. 52:589-593
- Olcott, C.T. 1947. Experimental argyrosis. III. Pigmentation of the eyes of rats following ingestion of silver during long periods of time. Am. J. Path. 23:783-789.
- Olcott, C.T. 1948. Experimental argyrosis. IV. Morphological changes in the experimental animal. Am. J. Path. 24: 813-833.
- Olcott, C.T. 1950. Experimental argyrosis. V. Hypertrophy of the left ventricle of the heart in rats ingesting silver salts. Arch. Path. 49: 138-149.
- U.S. DHHS. PHS. Agency for Toxic Substances and Diseases Registry. Dec. 1990. Toxicology Profile for Silver. Publ. No. TP-90-24
- Goyer, R.A. 1991. Toxic effects of metals. Casserett and Doull's Toxicology. Eds. M. Amdur, J. Doull, and C. Klaassen. Pergamon Press. 623-280.
- Gaul, L.E., and Staud, A.H. 1935. Clinical Spectroscopy. Seventy cases of generalized argyrosis following organic and colloidal silver medication, including a biospectrometric analysis of ten cases. J. Am. Med. Assoc. 104:1387-1390

Footnote 2: Published literature references cited in Silver RED (US EPA 1993):

- Rungby, J., Slomianka, L., Dansker, G., Anderson, A.H., and West, M.J. 1987. A quantitative evaluation of the neurotoxic effect of silver on the volumes of the components of the developing rat hippocampus. Toxicol. 43:261-268

Signature 	Name and Title Naeem Mady Head, Regulatory Affairs	Date 4/22/03
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DATA MATRIX

Date: April 22, 2003	EPA Reg No./ File Symbol 40810-EG	Page 6 of 7
Applicant's/Registrant's Name and Address: Ciba Specialty Chemicals Corporation 540 White Plains Road PO Box 2005 Tarrytown, NY 10591-9005	Product: Irgaguard® B102 N Manufacturing Use	
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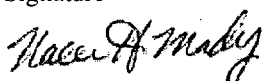
- U.S. DHHS. PHS. Agency for Toxic Substances and Diseases Registry, Dec. 1990. Toxicology Profile for Silver. Publ. No. TP-90-24

Footnote 3: Published literature references cited in Silver RED (US EPA 1993):

- Demerec, M., Bertani, G., and Fling, J. 1951. A survey of chemicals for mutagenic action on E. Coli. Am. Nat. 85:119-136.
- Nishioka, H. 1975. Mutagenic activity of metal compounds in bacteria. Mutat. Res 31: 185-189.
- U.S. DHHS. PHS. Agency for Toxic Substances and Diseases Registry, Dec. 1990. Toxicology Profile for Silver. Publ. No. TP-90-24
- Rossman, T.G., and Molina, M. 1986. The genetic toxicology of metal compounds: II. Enhancement of ultraviolet light-induced mutagenesis in Escherichia coli WP2. Environ. Mutagen 8:263-271.

Footnote 4: Published literature references cited in Silver RED (US EPA 1993):

- U.S. DHHS. PHS. Agency for Toxic Substances and Diseases Registry, Dec. 1990. Toxicology Profile for Silver. Publ. No. TP-90-24
- Buffle, J. Complexation Reactions in aquatic chemistry: An analytical approach. 1990. Ellis Horwood, NY
- Cotton, F.A., and Wilkenson G. Advanced Inorganic Chemistry. Fifth Edition 1988. John Wiley and Sons, NY
- Greenwood, N.N. and Earnshaw, A. Chemistry of the Elements. 1984. Pergamon Press Ltd., Oxford, UK
- Irgolic, K.J., and Martell, A.E. Environmental Inorganic Chemistry. 1985. VCH Publishers, Inc.
- Morel, F.M.M. Principles of aquatic chemistry. 1983. John Wiley and Sons, NY.
- Muller, A. and Krebs, B. Studies in inorganic chemistry. Vol. 5: sulfur: its significance fo chemistry. For the Geo- Bio- and Cosmosphere and Technology. 1984. Elsevier Publishers, Amsterdam.
- Murr, L.E. Intervacial phenomena in metals and alloys. 1975. Addison Wesley Publishing Company, Reading MA
- Pourbaix, M. Atlas of electrochemical equilibria in aqueous solutions, 1974. Translated by J.A. Franklin, National Association of Corrosion Engineers, Houston, TX
- Reese, R.J. "Silver", Mminerals Facts and Problems. U.S. Department of the Interior, Bureau of Mines; Bulletin 675, 1985 Edition, U.S. Printing Office, Washington DC
- Shumilova, N.A. and Zhutaeva, G.V. "Silver" in Encyclopedia of Electrochemistry of the Elements. A.J. Bard, Ed. Vol III. 1978. Marcel Dekker, Inc. NY.
- "Silver Compounds" in Kirk-Othmer Encyclopedia of Chemical Technology, 3<sup>rd</sup> Ed. 1983. John Wiley and Sons, NY
- Stumm, W. Chemistry of the solid-water interface: processes at the mineral-water and particle-water interface in natural systems, 1992. John Wiley and Sons, NY
- Thompson, N.R. "Silver" Comprehensive Inorganic Chemistry. J.C. Bailar, Ed., 1973. Pergamon Press, UK

Signature 	Name and Title Naeem Mady Head, Regulatory Affairs	Date 4/22/03
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Ingredient: silver (PC 72501) and zinc (PC 129015)		

- Zhutaeva, G.V., and Shumilova, N.A. "Silver", in Standard Potentials in Aqueous Solution, A.J. Bard, R. Parsons, and J. Jordan Ed. Prepared under the auspices of IUPAC, Physical and Analytical Chemistry Divisions, Commissions on Electrochemistry and Electroanalytical Chemistry. 1985. Marcel Dekker, NY.

Footnote 5: Published literature references cited in Zinc Salts RED (US EPA 1992):

- FASEB, 1973. Evaluation of the Health Aspects of certain zinc salts as food ingredients. SCOGS-21

Footnote 6: Published literature references cited in Zinc Salts RED (US EPA 1992):

- NIOSH. 1987. Registry of Toxic Effects of Chemical Substances. Washington, DC
- FASEB, 1973. Evaluation of the Health Aspects of certain zinc salts as food ingredients. SCOGS-21

Footnote 7: Published literature references cited in Zinc Salts RED (US EPA 1992):

- Sax, N. and Lweis, R. 1989. Dangerous Properties of Industrial Materials. 7<sup>th</sup> Ed. Van Nostrand Reinhold, NY
- NIOSH. 1987. Registry of Toxic Effects of Chemical Substances. Washington, DC

Footnote 8: Published literature references cited in Zinc Salts RED (US EPA 1992):

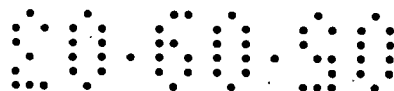
- RED pages 6, 11
- NIOSH. 1987. Registry of Toxic Effects of Chemical Substances. Washington, DC

Footnote 9: Published literature references:

- U.S. DHHS. PHS. Agency for Toxic Substances and Diseases Registry, Dec. 1994. Toxicology Profile for Zinc.
- WHO. 2001. Environmental Health Criteria – Zinc. EHC 221.
- FNB. 2002. Dietary reference intakes for Vitamin A, Vitamin K, Arsenic, Boron, Chromium, Copper, Iodine, Iron, manganese, Molybdenum, Nickel, Silicon, Vanadium, and Zinc. National Academies of Science, Food and Nutrition Board. National Academies Press.

Footnote 10: Per Agency agreement on 4/22/03, TGA requirements are fulfilled by Bactekiller A, 3.5% silver in zeolite, EPA Reg. No. 59824-3.

Footnote 11: Cited data are from EPA Reg. No. 524-354 (registration transferred to 71645-3), a 99.4% zinc oxide product and are cited in the RED or fulfilled RED DCI requirements.



Signature 	Name and Title Naeem Mady Head, Regulatory Affairs	Date 4/22/03
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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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## DATA MATRIX

Date: October 22, 2002

EPA Reg No./ File Symbol  
40810-EG

Page 1 of 4

Applicant's/Registrant's Name and Address: Ciba Specialty Chemicals Corporation  
540 White Plains Road  
PO Box 2005  
Tarrytown, NY 10591-9005

Product: Irgaguard® B102 N Manufacturing Use

Ingredient: silver (PC 72501) and zinc (PC 129015)

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OPPTS 830.7000	pH	45724702	Ciba Specialty Chemicals	Own	
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OPPTS 830.6315	Flammability	Waiver	Ciba Specialty Chemicals	Own	See footnote 1
OPPTS 830.6316	Explosibility	45618603	Ciba Specialty Chemicals	Own	See footnote 2
OPPTS 830.6319	Miscibility	Waiver	Ciba Specialty Chemicals	Own	See footnote 1
OPPTS 830.7100	Viscosity	Waiver	Ciba Specialty Chemicals	Own	See footnote 1
OPPTS 830.7300	Density	45724702	Ciba Specialty Chemicals	Own	
OPPTS 870.1100	Acute oral toxicity - rat	45618604	Ciba Specialty Chemicals	Own	See footnote 2
OPPTS 870.1200	Acute dermal toxicity - rat	45618605	Ciba Specialty Chemicals	Own	See footnote 2
OPPTS 870.1300	Acute inhalation toxicity	45618606	Ciba Specialty Chemicals	Own	See footnote 2
OPPTS 870.2400	Primary eye irritation - rabbit	45618607	Ciba Specialty Chemicals	Own	See footnote 2

Signature

Name and Title

Thomas Barber  
Manager Product Compliance

Date

October 22,  
2002



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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
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OPPTS 870.2600	Dermal sensitization	45618609	Ciba Specialty Chemicals	Own	See footnote 2
<b>GENERIC DATA - SILVER</b>					
870.1100	Acute oral toxicity - rat	Waived	Per RED	RED	
870.1200	Acute dermal toxicity - rat	Waived	Per RED	RED	
870.1300	Acute inhalation toxicity	Waived	Per RED	RED	
870.2400	Primary eye irritation - rabbit	Waived	Per RED	RED	
870.2500	Primary dermal irritation	Waived	Per RED	RED	
870.2600	Dermal sensitization	Waived	Per RED	RED	
870.3250	90 day dermal toxicity - rodent	41615807	Kanebo	Per	
870.3700	Developmental toxicity - rodent	41638502, 42245403, 42653201, 42845701	Kanebo	Per	
870.5265	In vitro mutagenicity	42032803	Kanebo	Per	
870.5300	Mutagenicity - mammalian cells in culture	42032804	Kanebo	Per	
870.5380	In vivo cytogenetics	42820101	Kanebo	Per	
850.1010	Daphnia acute toxicity	42032805, 42032703	Kanebo	Per	
850.1075	Acute toxicity - fish	41615813, 41615814 42032703	Kanebo	Per	

Signature 	Name and Title Thomas Barber Manager Product Compliance	Date October 22, 2002
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## DATA MATRIX

Date: October 22, 2002	EPA Reg No./ File Symbol 40810-EG	Page 3 of 4
Applicant's/Registrant's Name and Address: Ciba Specialty Chemicals Corporation 540 White Plains Road PO Box 2005 Tarrytown, NY 10591-9005	Product: Irgaguard® B102 N Manufacturing Use	
Ingredient: silver (PC 72501) and zinc (PC 129015)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.2100	Avian Acute toxicity	42870901, 42871001	Kanebo	Per	
835.2120	Hydrolysis	42032806	Kanebo	Per	
<b>GENERIC DATA - ZINC</b>					
870.1100	Acute oral toxicity - rat	Waived	Per RED	RED	
870.1200	Acute dermal toxicity - rat	Waived	Per RED	RED	
870.1300	Acute inhalation toxicity	Waived	Per RED	RED	
870.2400	Primary eye irritation - rabbit	Waived	Per RED	RED	
870.2500	Primary dermal irritation	Waived	Per RED	RED	
870.2600	Dermal sensitization	Waived	Per RED	RED	
870.3250	90 day dermal toxicity - rodent	Waived	Per RED	RED	
870.3700	Developmental toxicity - rodent	Waived	Per RED	RED	
870.5265	In vitro mutagenicity	Waived	Per RED	RED	
870.5300	Mutagenicity - mammalian cells in culture	Waived	Per RED	RED	
870.5380	In vivo cytogenetics	Waived	Per RED	RED	
850.1010	Daphnia acute toxicity	42032806 155227	Kanebo Monsanto	Per old	Waived for most zinc salts in RED
850.1075	Acute toxicity - fish	155224 155228	Monsanto	old	Waived for most zinc salts in RED

Signature 	Name and Title Thomas Barber Manager Product Compliance	Date October 22, 2002
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**DATA MATRIX**

Date: October 22, 2002	EPA Reg No./ File Symbol 40810-BG	Page 4 of 4
Applicant's/Registrant's Name and Address: Ciba Specialty Chemicals Corporation 540 White Plains Road PO Box 2005 Tarrytown, NY 10591-9005	Product: Irgaguard® B102 N Manufacturing Use	
Ingredient: silver (PC 72501) and zinc (PC 129015)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.2100	Avian Acute toxicity	42870901 155226	Kanebo Monsanto	Per old	Waived for most zinc salts in RED
835.2120	Hydrolysis	Waived	Per RED	RED	

Footnote 1: Request for Waivers submitted for these tests. Footnote 2: See Request for Waivers for explanation/justification.

Signature 	Name and Title Thomas Barber Manager Product Compliance	Date October 22, 2002
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## DATA MATRIX

Date: October 22, 2002	EPA Reg No./ File Symbol 40810-EG	Page 1 of 4
Applicant's/Registrant's Name and Address: Ciba Specialty Chemicals Corporation 540 White Plains Road PO Box 2005 Tarrytown, NY 10591-9005	Product: Irgaguard® B102 N Manufacturing Use	
Ingredient: silver (PC 72501) and zinc (PC 129015)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	See footnote 1
			Ciba Specialty Chemicals	Own	See footnote 1
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	See footnote 1
			Ciba Specialty Chemicals	Own	See footnote 2
			Ciba Specialty Chemicals	Own	See footnote 1
			Ciba Specialty Chemicals	Own	See footnote 1
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	See footnote 2
			Ciba Specialty Chemicals	Own	See footnote 2
			Ciba Specialty Chemicals	Own	See footnote 2
			Ciba Specialty Chemicals	Own	See footnote 2
			Ciba Specialty Chemicals	Own	See footnote 2

Signature

Name and Title

Thomas Barber  
Manager Product Compliance

Date

October 22,  
2002



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## DATA MATRIX

Date: October 22, 2002	EPA Reg No./ File Symbol 40810-EG	Page 2 of 4
Applicant's/Registrant's Name and Address: Ciba Specialty Chemicals Corporation 540 White Plains Road PO Box 2005 Tarrytown, NY 10591-9005	Product: Irgaguard® B102 N Manufacturing Use	
Ingredient: silver (PC 72501) and zinc (PC 129015)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Ciba Specialty Chemicals	Own	See footnote 2
			Ciba Specialty Chemicals	Own	See footnote 2
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Kanebo	Per	
			Kanebo	Per	
			Kanebo	Per	
			Kanebo	Per	
			Kanebo	Per	

Signature 	Name and Title Thomas Barber Manager Product Compliance	Date October 22, 2002
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Date: October 22, 2002	EPA Reg No./ File Symbol 40810-EG	Page 3 of 4
Applicant's/Registrant's Name and Address: Ciba Specialty Chemicals Corporation 540 White Plains Road PO Box 2005 Tarrytown, NY 10591-9005	Product: Irgaguard® B102 N Manufacturing Use	
Ingredient: silver (PC 72501) and zinc (PC 129015)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Kanebo	Per	
			Kanebo	Per	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Kanebo	Per	Waived for most zinc salts in RED
			Monsanto	old	
			Monsanto	old	Waived for most zinc salts in RED

Signature 	Name and Title Thomas Barber Manager Product Compliance	Date October 22, 2002
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Date: October 22, 2002	EPA Reg No./ File Symbol 40810-EG	Page 4 of 4
Applicant's/Registrant's Name and Address: Ciba Specialty Chemicals Corporation 540 White Plains Road PO Box 2005 Tarrytown, NY 10591-9005	Product: Irgaguard® B102 N Manufacturing Use	
Ingredient: silver (PC 72501) and zinc (PC 129015)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Kanebo Monsanto	Per old	Waived for most zinc salts in RED
			Per RED	RED	

Footnote 1: Request for Waivers submitted for these tests. Footnote 2: See Request for Waivers for explanation/justification.

Signature 	Name and Title Thomas Barber Manager Product Compliance	Date October 22, 2002
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## DATA MATRIX

Date:	EPA Reg No./ File Symbol 40810-	Page 1 of 3
Applicant's/Registrant's Name and Address:	Ciba Specialty Chemicals Corporation 540 White Plains Road PO Box 2005 Tarrytown, NY 10591-9005	Product: Irgaguard® B102 N Manufacturing Use
Ingredient: silver (PC 72501) and zinc (PC 129015)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>PRODUCT SPECIFIC DATA</b>					
OPPTS 830.1550	Product Identity and Composition		Ciba Specialty Chemicals	Own	
OPPTS 830.1600	Description of Starting Materials		Ciba Specialty Chemicals	Own	
OPPTS 830.1650	Description of the Formulation Process		Ciba Specialty Chemicals	Own	
OPPTS 830.1670	Discussion of the Formation of Impurities		Ciba Specialty Chemicals	Own	
OPPTS 830.1750	Certified Limits		Ciba Specialty Chemicals	Own	
OPPTS 830.1800	Enforcement analytical method		Ciba Specialty Chemicals	Own	
OPPTS 830.6303	Physical state		Ciba Specialty Chemicals	Own	
OPPTS 830.7000	pH		Ciba Specialty Chemicals	Own	
OPPTS 830.6314	Oxidation/reduction: chemical incompatibility		Ciba Specialty Chemicals	Own	See footnote 1
OPPTS 830.6320	Corrosion characteristics		Ciba Specialty Chemicals	Own	See footnote 1
OPPTS 830.6302	Color		Ciba Specialty Chemicals	Own	
OPPTS 830.6304	Odor		Ciba Specialty Chemicals	Own	
OPPTS 830.6315	Flammability		Ciba Specialty Chemicals	Own	See footnote 1
OPPTS 830.6316	Explosibility	45618603	Ciba Specialty Chemicals	Own	See footnote 2
OPPTS 830.6319	Miscibility		Ciba Specialty Chemicals	Own	See footnote 1
OPPTS 830.7100	Viscosity		Ciba Specialty Chemicals	Own	See footnote 1
OPPTS 830.7300	Density		Ciba Specialty Chemicals	Own	
OPPTS 870.1100	Acute oral toxicity - rat	45618604	Ciba Specialty Chemicals	Own	See footnote 2
OPPTS 870.1200	Acute dermal toxicity - rat	45618605	Ciba Specialty Chemicals	Own	See footnote 2
OPPTS 870.1300	Acute inhalation toxicity	45618606	Ciba Specialty Chemicals	Own	See footnote 2
OPPTS 870.2400	Primary eye irritation - rabbit	45618607	Ciba Specialty Chemicals	Own	See footnote 2
OPPTS 870.2500	Primary dermal irritation	45618608	Ciba Specialty Chemicals	Own	See footnote 2
OPPTS 870.2600	Dermal sensitization	45618609	Ciba Specialty Chemicals	Own	See footnote 2

Signature 	Name and Title Thomas Barber Manager Product Compliance	Date 4/26/02
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## DATA MATRIX

Date:	EPA Reg No./ File Symbol 40810-	Page 2 of 3
Applicant's/Registrant's Name and Address: Ciba Specialty Chemicals Corporation 540 White Plains Road PO Box 2005 Tarrytown, NY 10591-9005	Product: Irgaguard® B102 N Manufacturing Use	
Ingredient: silver (PC 72501) and zinc (PC 129015)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>GENERIC DATA - SILVER</b>					
870.1100	Acute oral toxicity - rat	Waived	Per RED	RED	
870.1200	Acute dermal toxicity - rat	Waived	Per RED	RED	
870.1300	Acute inhalation toxicity	Waived	Per RED	RED	
870.2400	Primary eye irritation - rabbit	Waived	Per RED	RED	
870.2500	Primary dermal irritation	Waived	Per RED	RED	
870.2600	Dermal sensitization	Waived	Per RED	RED	
870.3250	90 day dermal toxicity - rodent	41615807	Kanebo	Per	
870.3700	Developmental toxicity - rodent	41638502, 42245403, 42653201, 42845701	Kanebo	Per	
870.5265	In vitro mutagenicity	42032803	Kanebo	Per	
870.5300	Mutagenicity - mammalian cells in culture	42032804	Kanebo	Per	
870.5380	In vivo cytogenetics	42820101	Kanebo	Per	
850.1010	Daphnia acute toxicity	42032805, 42032703	Kanebo	Per	
850.1075	Acute toxicity - fish	41615813, 41615814 42032703	Kanebo	Per	
850.2100	Avian Acute toxicity	42870901, 42871001	Kanebo	Per	
835.2120	Hydrolysis	42032806	Kanebo	Per	

Signature 	Name and Title Thomas Barber Manager Product Compliance	Date 8/4/02
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## DATA MATRIX

Date:	EPA Reg No./ File Symbol 40810-	Page 3 of 3
Applicant's/Registrant's Name and Address: Ciba Specialty Chemicals Corporation 540 White Plains Road PO Box 2005 Tarrytown, NY 10591-9005	Product: Irgaguard® B102 N Manufacturing Use	
Ingredient: silver (PC 72501) and zinc (PC 129015)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>GENERIC DATA - ZINC</b>					
870.1100	Acute oral toxicity – rat	Waived	Per RED	RED	
870.1200	Acute dermal toxicity – rat	Waived	Per RED	RED	
870.1300	Acute inhalation toxicity	Waived	Per RED	RED	
870.2400	Primary eye irritation – rabbit	Waived	Per RED	RED	
870.2500	Primary dermal irritation	Waived	Per RED	RED	
870.2600	Dermal sensitization	Waived	Per RED	RED	
870.3250	90 day dermal toxicity – rodent	Waived	Per RED	RED	
870.3700	Developmental toxicity – rodent	Waived	Per RED	RED	
870.5265	In vitro mutagenicity	Waived	Per RED	RED	
870.5300	Mutagenicity – mammalian cells in culture	Waived	Per RED	RED	
870.5380	In vivo cytogenetics	Waived	Per RED	RED	
850.1010	Daphnia acute toxicity	42032806 155227	Kanebo Monsanto	Per old	Waived for most zinc salts in RED
850.1075	Acute toxicity – fish	155224 155228	Monsanto	old	Waived for most zinc salts in RED
850.2100	Avian Acute toxicity	42870901 155226	Kanebo Monsanto	Per old	Waived for most zinc salts in RED
835.2120	Hydrolysis	Waived	Per RED	RED	

Footnote 1: Request for Waivers submitted for these tests. Footnote 2: See Request for Waivers for explanation/justification.

Signature 	Name and Title Thomas Barber Manager Product Compliance	Date 4/26/02
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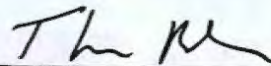
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## DATA MATRIX

Date:	EPA Reg No./ File Symbol 40810-	Page 1 of 3
Applicant's/Registrant's Name and Address: Ciba Specialty Chemicals Corporation 540 White Plains Road PO Box 2005 Tarrytown, NY 10591-9005	Product: Irgaguard® B102 N Manufacturing Use	
Ingredient: silver (PC 72501) and zinc (PC 129015)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
PRODUCT SPECIFIC DATA					
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	See footnote 1
			Ciba Specialty Chemicals	Own	See footnote 1
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	See footnote 1
			Ciba Specialty Chemicals	Own	See footnote 2
			Ciba Specialty Chemicals	Own	See footnote 1
			Ciba Specialty Chemicals	Own	See footnote 1
			Ciba Specialty Chemicals	Own	
			Ciba Specialty Chemicals	Own	See footnote 2
			Ciba Specialty Chemicals	Own	See footnote 2
			Ciba Specialty Chemicals	Own	See footnote 2
			Ciba Specialty Chemicals	Own	See footnote 2
			Ciba Specialty Chemicals	Own	See footnote 2
			Ciba Specialty Chemicals	Own	See footnote 2
Signature 			Name and Title Thomas Barber Manager Product Compliance		Date 4/24/02



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## DATA MATRIX

Date:	EPA Reg No./ File Symbol 40810-	Page 2 of 3
Applicant's/Registrant's Name and Address: Ciba Specialty Chemicals Corporation 540 White Plains Road PO Box 2005 Tarrytown, NY 10591-9005	Product: Irgaguard® B102 N Manufacturing Use	
Ingredient: silver (PC 72501) and zinc (PC 129015)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
GENERIC DATA - SILVER					
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Kanebo	Per	
			Kanebo	Per	
			Kanebo	Per	
			Kanebo	Per	
			Kanebo	Per	
			Kanebo	Per	
			Kanebo	Per	
			Kanebo	Per	
			Kanebo	Per	

Signature 	Name and Title Thomas Barber Manager Product Compliance	Date 4/26/02
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Date:	EPA Reg No./ File Symbol 40810-	Page 3 of 3
Applicant's/Registrant's Name and Address: Ciba Specialty Chemicals Corporation 540 White Plains Road PO Box 2005 Tarrytown, NY 10591-9005	Product: Irgaguard® B102 N Manufacturing Use	
Ingredient: silver (PC 72501) and zinc (PC 129015)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
GENERIC DATA - ZINC					
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Per RED	RED	
			Kanebo Monsanto	Per old	Waived for most zinc salts in RED
			Monsanto	old	Waived for most zinc salts in RED
			Kanebo Monsanto	Per old	Waived for most zinc salts in RED
			Per RED	RED	

Footnote 1: Request for Waivers submitted for these tests. Footnote 2: See Request for Waivers for explanation/justification.

Signature 	Name and Title Thomas Barber Manager Product Compliance	Date 4/26/02
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